



## FAX COVER SHEET

**TO:** Examiner Usmaan Saeed      **Fax#:** (571)273-4046  
Art Unit 2166

**FROM:** Katharina W. Schuster      **Client Matter #:** VIGN1660-1

**DATE:** October 22, 2009      **# of Pages:** 9

**RE:** Proposed Amendment for Serial No. 10/716,093 (Not for Entry)

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE	
<b>PROPOSED AMENDMENT (NOT FOR ENTRY)</b>	Atty. Docket No. <b>VIGN1660-1</b>
Applicant <b>Michael C. Tulkoff</b>	
Application Number <b>10/716,093</b>	Date Filed <b>11/18/2003</b>
Title <b>METHOD AND SYSTEM FOR MIGRATION OF LEGACY DATA INTO A CONTENT MANAGEMENT SYSTEM</b>	
Group Art Unit <b>2166</b>	Examiner <b>Saeed, Usmaan</b>
Confirmation Number: <b>4856</b>	

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In response to the Examiner's telephonic communication on October 20, 2009, Applicant hereby proposes to amend the above-identified patent application as follows. The Examiner indicated that claim 49 contains allowable subject matter. Claims 51-60 and 67-69 depend from claim 49. To expedite the prosecution, claims 70-75 are canceled and new claims 76-85 are added. New claims 76-85 contain limitations corresponding to the allowable claims. No new matter is introduced. It is believed that the amendments proposed herein do not raise new issues. Favorable consideration and full allowance of these claims are respectfully requested.

Respectfully submitted,

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Date: October 22, 2009

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PROPOSED AMENDMENTS TO THE CLAIMS:

1-48. (Cancelled).

49. (Previously Presented) A method for integrating legacy data into a content management system computer, comprising:

analyzing a set of legacy data residing in a legacy data repository on a persistent data source computer connected to said content management system computer over a network;

generating a set of content types to represent the set of legacy data in the content management system based on the analysis of the legacy data, wherein at least one of said set of content types is defined by a user through a graphical user interface of a client computer connected to said content management system computer over said network, wherein one of the content types comprises a policy annotation, and wherein the policy annotation comprises management information for putting content instance objects created from the content type through a workflow associated with the content type;

saving the set of content types in a memory of said content management system computer;

generating a set of content type objects corresponding to the set of content types, wherein a content type object is an instantiation of a content type embodied in the content management system;

generating a set of content instance objects from the content type objects, wherein each content instance object is an instantiation of a content instance and is associated with a content type object or a content type;

associating each of the set of legacy data with at least one of the content instance objects, wherein at least one of the content instance objects is associated with two or more datum of the set of legacy data, each of the datum residing in a distinct data storage device on said network; and

managing the set of legacy data residing in the legacy data repository on said persistent data source computer using the content instance objects generated by the content management system computer, wherein the two or more datum are managed by said content management system over said network as a single entity using the at least one content instance object.

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50. (Cancelled).

51. (Previously Presented) The method of claim 49, wherein generating the set of content types comprises specifying attributes associated with the content type.

52. (Previously Presented) The method of claim 49, comprising, for each of the set of content types, analyzing the legacy data to obtain a first set of the legacy data corresponding to the content type.

53. (Previously Presented) The method of claim 52, comprising analyzing the legacy data to generate a set of keys associated with the legacy data.

54. (Previously Presented) The method of claim 53, comprising generating values for the set of keys for each of the content instance objects and associating the values with the content instance object.

55. (Previously Presented) The method of claim 54, wherein the values are acquired by querying the legacy data repository.

56. (Previously Presented) The method of claim 52, wherein each of the set of content type objects is a structured definition of the corresponding content type.

57. (Previously Presented) The method of claim 56, wherein each of the content type objects is an XML document.

58. (Previously Presented) The method of claim 56, wherein each of the set of content types have associated access controls or policies.

59. (Previously Presented) The method of claim 58, comprising managing the set of legacy data using the workflows, access control or policies associated with each of the set of content types.

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60. (Previously Presented) The method of claim 58, wherein the content instance objects are stored at a location remote from the legacy data repository.

61-66. (Cancelled).

67. (Previously Presented) The method according to claim 49, further comprising:  
setting key values of said content instance object to match or represent key values of a corresponding piece of legacy data residing in said legacy data repository.

68. (Previously Presented) The method according to claim 49, wherein said legacy data repository comprises a legacy database.

69. (Previously Presented) The method according to claim 49, further comprising:  
enabling said user to perform said policy annotation in defining said at least one of said set of content types through said graphical user interface of said client computer connected to said content management system computer over said network.

70.-75. (Cancelled).

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76. (New) A computer program product comprising one or more computer readable storage media storing computer instructions translatable by a processor to perform:

analyzing a set of legacy data residing in a legacy data repository connected to a content management system computer over a network;

generating a set of content types to represent the set of legacy data in the content management system based on the analysis of the legacy data, wherein at least one of said set of content types is defined by a user through a graphical user interface of a client computer connected to said content management system computer over said network, wherein one of the content types comprises a policy annotation, and wherein the policy annotation comprises management information for putting content instance objects created from the content type through a workflow associated with the content type;

saving the set of content types in a memory of said content management system computer;

generating a set of content type objects corresponding to the set of content types, wherein a content type object is an instantiation of a content type embodied in the content management system;

generating a set of content instance objects from the content type objects, wherein each content instance object is an instantiation of a content instance and is associated with a content type object or a content type;

associating each of the set of legacy data with at least one of the content instance objects, wherein at least one of the content instance objects is associated with two or more datum of the set of legacy data, each of the datum residing in a distinct data storage device on said network; and

managing the set of legacy data residing in the legacy data repository on said persistent data source computer using the content instance objects generated by the content management system computer, wherein the two or more datum are managed by said content management system over said network as a single entity using the at least one content instance object.

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77. (New) The computer program product of claim 76, wherein the computer instructions are further translatable by the processor to perform:

for each of the set of content types, analyzing the legacy data to obtain a first set of the legacy data corresponding to the content type.

78. (New) The computer program product of claim 77, wherein the computer instructions are further translatable by the processor to perform:

analyzing the legacy data to generate a set of keys associated with the legacy data.

79. (New) The computer program product of claim 78, wherein the computer instructions are further translatable by the processor to perform:

generating values for the set of keys for each of the content instance objects and associating the values with the content instance object.

80. (New) The computer program product of claim 79, wherein the values are acquired by querying the legacy data repository.

81. (New) The computer program product of claim 76, wherein each of the set of content types has associated access controls or policies.

82. (New) The computer program product of claim 81, wherein the computer instructions are further translatable by the processor to perform:

managing the set of legacy data using the workflows, access controls or policies associated with each of the set of content types.

83. (New) The computer program product of claim 76, wherein the computer instructions are further translatable by the processor to perform:

setting key values of said content instance object to match or represent key values of a corresponding piece of legacy data residing in said legacy data repository.

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84. (New) The computer program product of claim 76, wherein the computer instructions are further translatable by the processor to perform:

enabling said user to perform said policy annotation in defining said at least one of said set of content types through said graphical user interface of said client computer connected to said content management system computer over said network.

85. (New) A system, comprising:

a legacy data repository storing legacy data;

a content management system connected to the legacy data repository over a network;

and

one or more client computers connected to the content management system, wherein the content management system embodies a computer program product comprising one or more computer readable storage media storing computer instructions translatable by a processor to perform:

analyzing a set of legacy data residing in the legacy data repository;

generating a set of content types to represent the set of legacy data in the content management system based on the analysis of the legacy data, wherein at least one of said set of content types is defined by a user through a graphical user interface of a client computer connected to said content management system computer over said network, wherein one of the content types comprises a policy annotation, and wherein the policy annotation comprises management information for putting content instance objects created from the content type through a workflow associated with the content type;

saving the set of content types in a memory of said content management system computer;

generating a set of content type objects corresponding to the set of content types, wherein a content type object is an instantiation of a content type embodied in the content management system;

generating a set of content instance objects from the content type objects, wherein each content instance object is an instantiation of a content instance and is associated with a content type object or a content type;

associating each of the set of legacy data with at least one of the content instance objects, wherein at least one of the content instance objects is associated with two or more

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datum of the set of legacy data, each of the datum residing in a distinct data storage device on said network; and

managing the set of legacy data residing in the legacy data repository on said persistent data source computer using the content instance objects generated by the content management system computer, wherein the two or more datum are managed by said content management system over said network as a single entity using the at least one content instance object.